

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
1 December 2005 (01.12.2005)

PCT

(10) International Publication Number
WO 2005/113309 A1

(51) International Patent Classification⁷: **B60T 17/00**

Works Texas Street, Morley, Leeds LS27 0HQ (GB).
ELLIS, John [GB/GB]; Wabco Automotive U.K. Limited,
Beacon Works Texas Street, Morley, Leeds LS27 0HQ
(GB).

(21) International Application Number:
PCT/GB2005/001744

(22) International Filing Date: 6 May 2005 (06.05.2005)

(74) Agents: GRAY, James et al.; Withers & Rogers LLP,
Goldings House, 2 Hays Lane, London SE1 2HW (GB).

(25) Filing Language: English

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(26) Publication Language: English

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH,

(30) Priority Data:
0411436.9 21 May 2004 (21.05.2004) GB

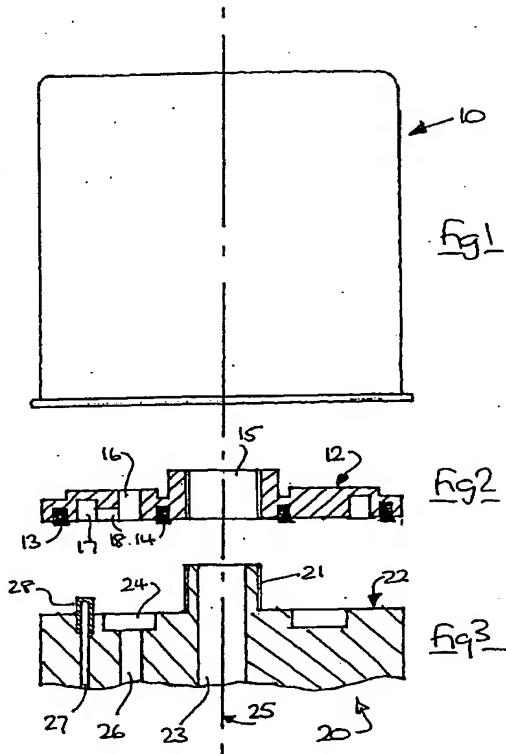
(71) Applicant (for all designated States except US): **WABCO AUTOMOTIVE U.K. LIMITED [GB/GB]**; Beacon Works, Texas Street, Morley, Leeds LS27 0HQ (GB).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **MILOMO, Ignatius [GB/GB]**; Wabco Automotive U.K. Limited, Beacon

[Continued on next page]

(54) Title: IMPROVEMENTS IN AIR DRYERS



(57) Abstract: An air dryer for an air braking system of a vehicle, the air dryer comprising a mounting (20), and a removable desiccant canister (10) screw-threaded to said mounting (20) about a spin axis (25) and having a peripheral sealing ring (13,14), wherein the mounting includes an upstanding protrusion (28) radially spaced from said axis (25) and adapted to engage an annular recess (17) of said canister (10) within said ring, said protrusion (28) being hollow, and the interior of said protrusion (28) being connected to a vent for air under pressure in the system.

WO 2005/113309 A1



GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM,
ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),
European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI,
FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO,
SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN,
GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

— *with international search report*

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.